

**CMS Private work**pp 301 pb<sup>-1</sup> (5.02 TeV)

anti- $k_T$ ,  $R = 0.4$  b-tagged b jets  
 $100 < p_T^{\text{jet}} < 120$  GeV/c,  $|\eta^{\text{jet}}| < 2$

▲ Detector level PYTHIA8  
▼ Particle level PYTHIA8  
● Detector level data  
✕ Unfolded data

Ratio to  
simulation $z_{b,\text{ch}}$ 